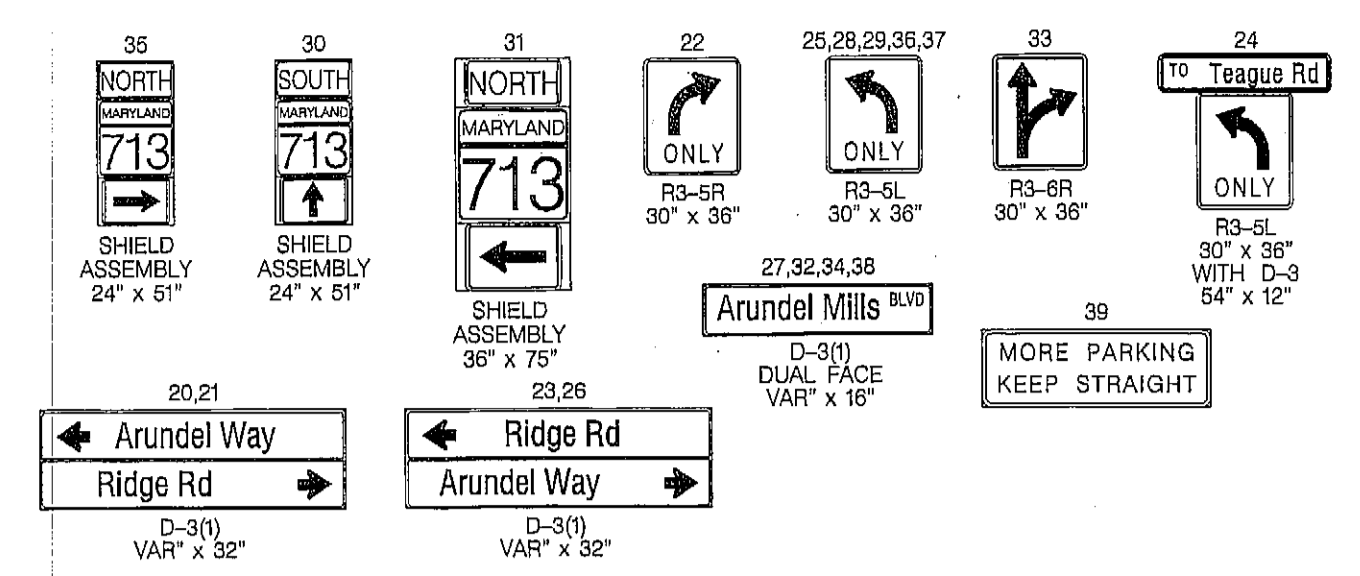
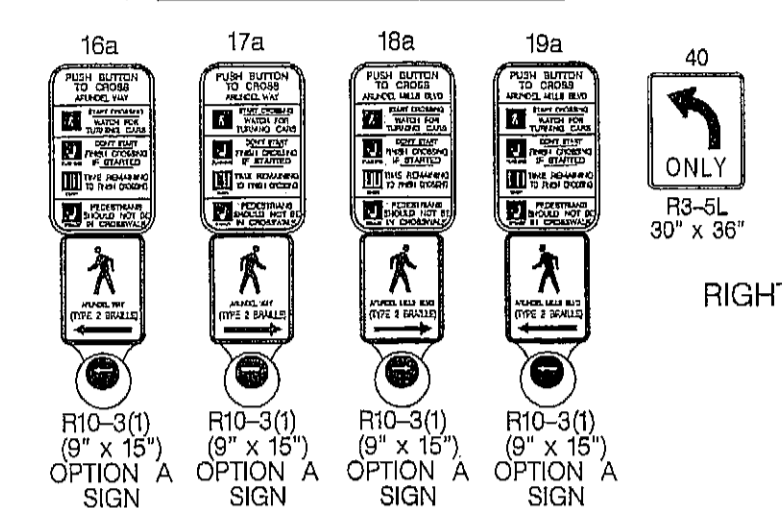




EXISTING SIGNS



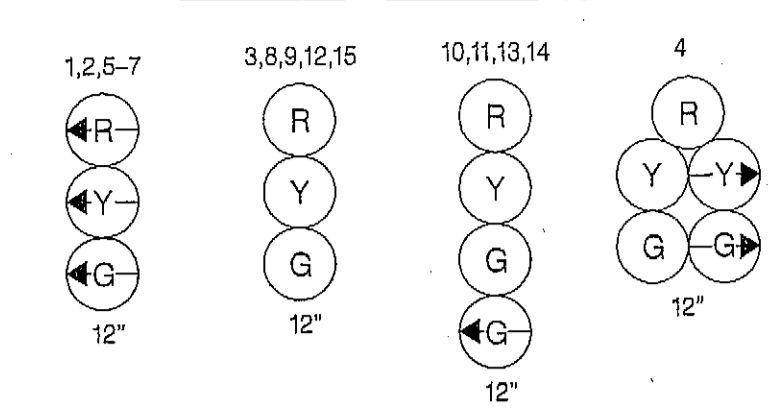
PROPOSED SIGNS



PROPOSED VIDEO DETECTION CAMERAS



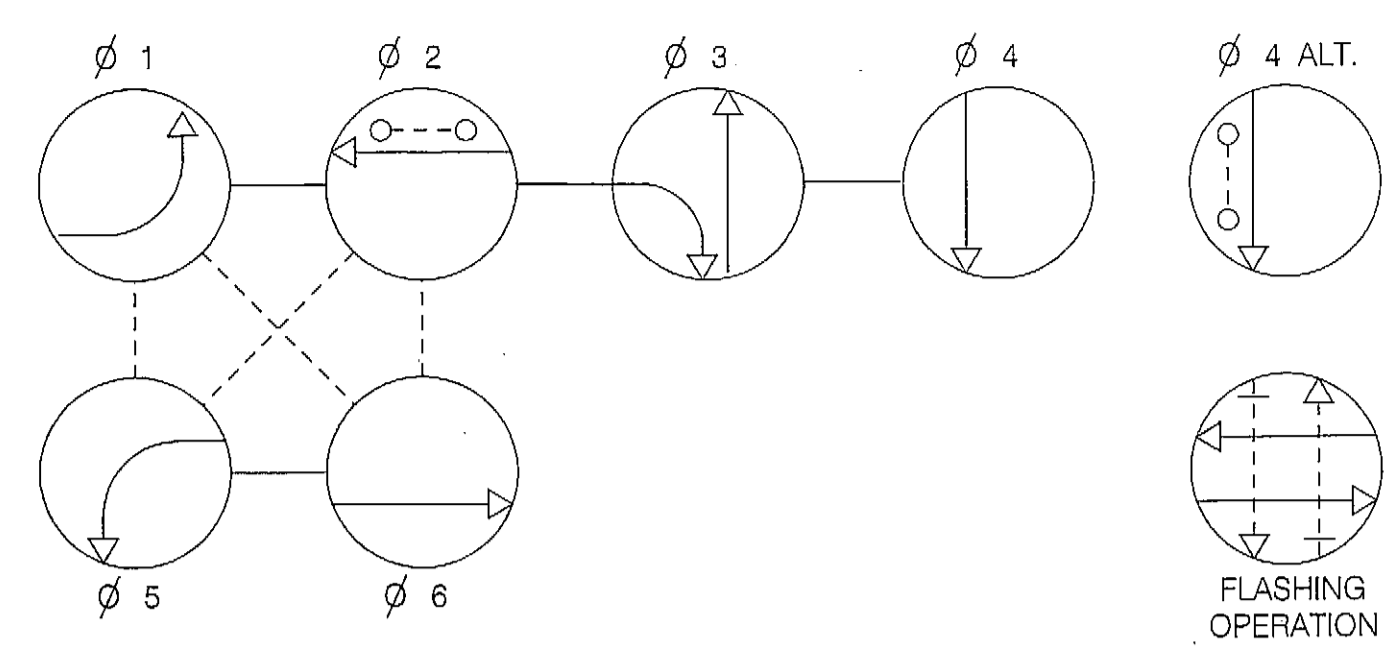
EXISTING SIGNALS



PROPOSED SIGNALS



NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

MD 713 (ARUNDEL MILLS BLVD)
IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

ARUNDEL MILLS BLVD

ARUNDEL WAY

MD 713
(ARUNDEL MILLS BLVD.)

INTERCONNECT TO
ARUNDEL MILLS DR.
(SEE INTERCONNECT PLAN)

CONSTRUCTION DETAILS

- A. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL OTHER NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- B. INSTALL METERED SERVICE PEDESTAL
- C. INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM
- D. INSTALL ELECTRICAL HANDHOLE
- E. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- F. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- G. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
- H. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
- I. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - SLOTTED
- J. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- K. INSTALL R3-SL SIGN ON EXISTING MAST ARM
- L. RELOCATE EXISTING R3-SL SIGN
- M. USE EXISTING CONDUIT
- N. USE EXISTING HANDHOLE
- P. USE EXISTING LOOP DETECTOR (INSTALL NEW 2-CONDUCTOR ALUMINUM SHIELDED CABLE BETWEEN THE EXISTING HANDHOLE AND THE PROPOSED CONTROLLER)
- Q. REMOVE EXISTING PEDESTAL SIGNAL HEAD, PUSHBUTTON AND SIGN. INSTALL NEW PEDESTAL SIGNAL HEAD, PUSHBUTTON AND 3 IN. CONDUIT BEND IN EXISTING FOUNDATION
- R. INSTALL NON-INVASIVE MICRO-LOOP PROBE
- S. REMOVE EXISTING PEDESTAL SIGNAL HEAD, PUSHBUTTON AND SIGN. INSTALL NEW PEDESTAL SIGNAL HEAD, PUSHBUTTON AND SIGN (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- T. ABANDON EXISTING HANDHOLE
- U. CAP ABANDON EXISTING CONDUIT
- V. REMOVE EXISTING HANDHOLE
- W. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER
- X. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- Y. REMOVE EXISTING PAVEMENT MARKING LINE
- Z. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- AA. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE (CUT TO 5 FT., CLEAN AND GALVANIZE) WITH PEDESTAL PUSHBUTTON AND SIGN (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- BB. ABANDON EXISTING CONDUIT
- CC. RELOCATE EXISTING SIGNAL HEAD

GENERAL NOTES (CONTINUED)

- 5. PUSHBUTTONS ARE TO BE LOCATED SO THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- 6. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM THE FACE OF THE PUSHBUTTON TO THE FACE OF THE PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
- 7. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- 8. LOCATION OF ACCESSIBLE PEDESTAL SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTAL SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATION UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- 9. ALL APS CENTRAL CONTROL UNITS SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR PROGRAMMING AND TESTING PRIOR TO INSTALLATION CONTACT MR. EDWARD RODENHIZER AT 410-787-7650 TO COORDINATE.

GENERAL NOTES

- 1. DISCONNECT AND ABANDON EXISTING DETECTION ON THE NORTH LEG OF MD 713, THE PASSAGE DETECTION ON ARUNDEL WAY AND THE PASSAGE DETECTION ON ARUNDEL MILLS BLVD.
- 2. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- 3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- 4. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS TO MEET CLEARANCES AS SPECIFIED IN MD 818.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

TRAFFIC CONCEPTS, INC.

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GEOMETRIC LEGEND

EXISTING	PROPOSED
AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISIONAL
OFFICE DIRECTOR

REVISIONS
WIDEN TO PROVIDE S.B. TRIPLE LEFT TURN LANE
REVISED-ARUNDEL WAY LANE USE
SHA NO. BW-999M82

TRAFFIC SIGNALIZATION PLAN

SCALE 1"=20'	DATE 3-2000	CONTRACT NO.
DESIGNED BY	CJP/MJA	COUNTY ANNE ARUNDEL
DRAWN BY	JWH	LOGMILE
CHECKED BY	NA	T.I.M.S. NO. K-300
F.A.P. NO.		TOD NO.
DRAWING NO. TS-4008B		SHEET NO. 1 OF 2

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DATE: Wednesday, November 10, 2010 AT 09:14 AM